

# THE ALEXANDER MILBURN CO.

BALTIMORE, MARYLAND

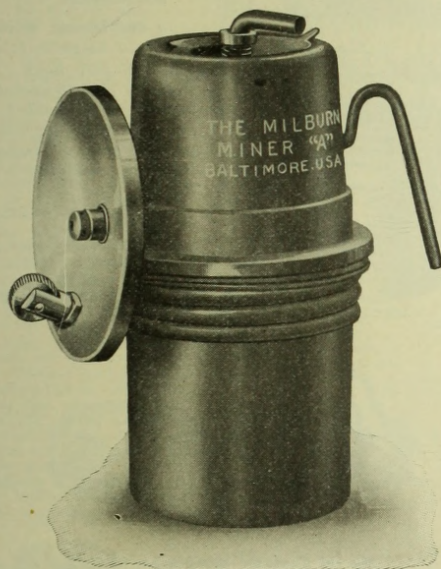
Branches and Agencies in All Principal Cities

Manufacturers of

Carbide Mine Lamps, High Power Portable Acetylene Lights,  
Oxy-Acetylene Welding and Cutting Apparatus.

## Carbide Cap Lamps

This lamp is more sturdily built than the ordinary lamp of its kind and has several unique features contributing to long, satisfactory service.



Height 4 in.  
Diameter  $2\frac{3}{4}$  ins.  
Weight empty 5 ozs.  
Weight Charged,  $8\frac{3}{4}$  ozs.  
Carbide Charge,  $1\frac{1}{2}$  ozs.  
25 Candlepower.

Full description in Bulletin 58.

The flaring sides and wide mouth of carbide chamber make dumping of spent carbide easy, preventing bending of shell in knocking it out. The screw threads at the waist are generous, so the connection is strong and easily made, even in the dark.

The special funnel top greatly simplifies filling with water, and a tight water cap positively closes the water chamber. The water feed is controlled by a turn of the water feed rod.

Two stout seamless drawn-brass shells make up the principal parts of the lamp. The cap hook passes through the shell and is strongly attached inside. The water-feed tube and water-feed rod are stout and strong.

The reflector is made of sufficiently heavy material to make it stiff and durable. It has a strong cylindrical reinforcement at the back, making it practically unbreakable. The reflector may be removed from the lamp by unscrewing.

The lamp is equipped with a positive-acting friction lighter. It burns a half shift on one charge. The flame is strong, steady and uniform, with no smoke or soot.

Price \$1.00 each. Discounts on quantities.

## High Power Portable Acetylene Lights

These lights are self-contained portable units, giving 15,000 candle-power or more. They are storm-proof, smokeless and are instantly lighted. They have no pumps, gauges, mantles, or delicate parts, and require no connections. They are entirely automatic, easily handled by an ordinary laborer and need no attention while in use.

Only water and carbide are necessary to operate them. The carbide charge is placed in a cylinder which is immersed in the tank. Gas is thus automatically generated and steadily supplied to the burner.

The "3X" Light operates a full night shift without recharging. If a longer period is required, extra carbide cylinders are supplied. Nearly 20 other standard styles are made for various purposes.

These lights are in use everywhere and are sold under a strong guarantee.

## Oxy-Acetylene Welding and Cutting Apparatus

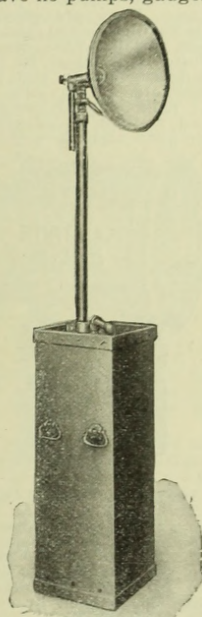
In efficient mining operations, oxy-acetylene apparatus is almost indispensable, in view of savings which can be effected in the repair of machinery. There are also many occasions where it is a great source of economy in construction, replacing riveted and other connections.

Milburn Oxy-Acetylene Plants include a large variety of types covering all service from small emergency repair outfits to complete manufacturing installations.

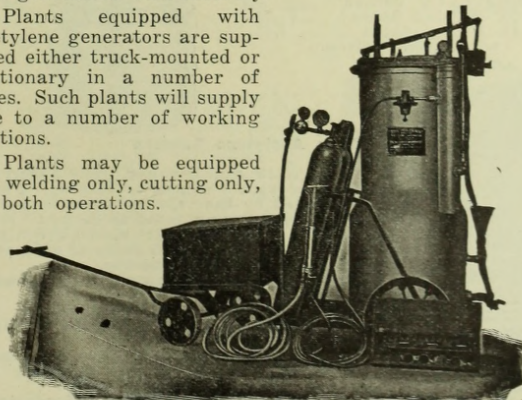
The emergency outfits employ both gases in steel storage tanks. Larger repair plants employ acetylene generators with economy.

Plants equipped with acetylene generators are supplied either truck-mounted or stationary in a number of sizes. Such plants will supply one to a number of working stations.

Plants may be equipped for welding only, cutting only, or both operations.



"3X" Portable Light.  
Tank 12x12x36 in.  
Total Height, 6 feet.  
Reflector, 15 inches.  
Weight Empty, 90 lbs.  
Weight Packed, 121 lbs.  
Carbide Charge, 16 lbs.  
Costs 4 to 6c per hour.  
Full description in Bulletin 28.



Truck Mounted Oxy-Acetylene Plant.  
Full description in Bulletin 38.